Zirconium(IV) trifluoroacetylacetonate

Other names:	Trifluoroacetylacetone zirconium salt
	Zirconium trifluoroacetylacetonate
	tetrakis(1,1,1-trifluoro-2,4-pentanedionato)zirconium(IV)
Inchi:	InChI=1S/4C5H5F3O2.Zr/c4*1-3(9)2-4(10)5(6,7)8;/h4*2,9H,1H3;/q;;;;+4/p-4/b3-2+;3*3-2-
InchiKey:	QZQWHIKBKAPMGX-HMVMWNMDSA-J
Formula:	C20H16F12O8Zr
SMILES:	CC(=CC(=O)C(F)(F)F)O[Zr](OC(C)=CC(=O)C(F)(F)F)(OC(C)=CC(=O)C(F)(F)F)OC(C)=C
Mol. weight [g/mol]:	703.54
CAS:	17499-68-2

Physical Properties

Property code	Value	Unit	Source
hsub	118.70 ± 3.10	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	94.00	kJ/mol	388.00	NIST Webbook
hsubt	133.60 ± 2.00	kJ/mol	383.00	NIST Webbook
hsubt	126.40 ± 1.70	kJ/mol	410.50	NIST Webbook
hsubt	119.20 ± 1.70	kJ/mol	410.50	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17499682&Units=SI

Legend

hsub: Enthalpy of sublimation at standard conditions

hsubt: Enthalpy of sublimation at a given temperature